

## Product datasheet

### Anti-CAPRIN2 antibody ab122583

2 Images

#### Overview

<b>Product name</b>	Anti-CAPRIN2 antibody
<b>Description</b>	Rabbit polyclonal to CAPRIN2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	antigen sequence: TPKPRENNVE SQKHSLSQS QISPKSWGVA TASLIPNDQL LPRKLNTEPK DVPKPVHQPV GSSSTLPKDP VLRKEKLQDL MTQIQGT, corresponding to internal sequence amino acids 544-630 of Human CAPRIN2. <a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	IHC-P: Human hippocampus tissue. ICC: Human cell line U-251 MG.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Store undiluted.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122583 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

May regulate the transport and translation of mRNAs, modulating for instance the expression of proteins involved in synaptic plasticity in neurons. Involved in regulation of growth as erythroblasts shift from a highly proliferative state towards their terminal phase of differentiation. May be involved in apoptosis.

### Tissue specificity

Detected in all tissues tested with highest levels of expression in brain and spleen.

### Sequence similarities

Belongs to the caprin family.  
Contains 1 C1q domain.

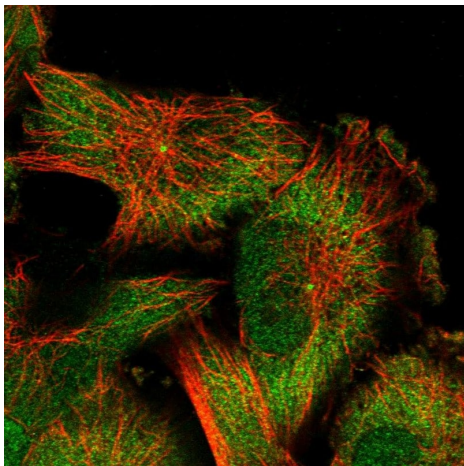
### Developmental stage

Expression is highly regulated during erythroid development with increased expression at the stage of differentiation associated with the onset of global nuclear condensation and reduced cell proliferation.

### Cellular localization

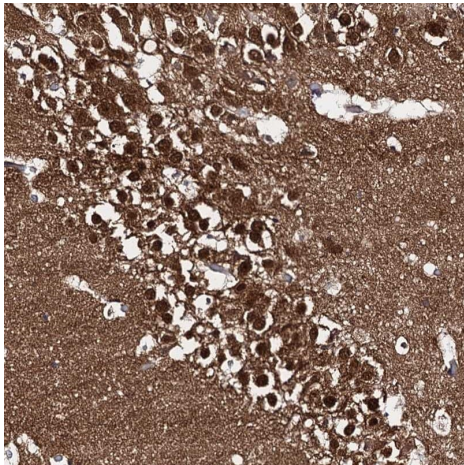
Cytoplasm; Mitochondrion. Colocalizes with aggregated mitochondria and Mitochondrion.  
Cytoplasm. Expressed throughout the cytoplasm.

## Images



Immunocytochemistry/immunofluorescence analysis of human cell line U-251 MG labelling CAPRIN2 with ab122583 at 2 µg/mL.

Immunocytochemistry - Anti-CAPRIN2 antibody  
(ab122583)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAPRN2 antibody (ab122583)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hippocampus tissue labelling CAPRN2 with ab122583 at 1/50 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### Terms and conditions

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